

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Ole Agesen et al.

Title: OBJECT SAMPLING TECHNIQUE FOR RUNTIME OBSERVATIONS  
OF REPRESENTATIVE INSTANCES THEREOF

Application No.: 09/855,454 Filed: May 15, 2001

Examiner: Alvin E. Oberley Group Art Unit: 2121

Atty. Docket No.: 004-4523

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COMMISSIONER FOR PATENTS  
Washington, DC 20231

**PRELIMINARY AMENDMENT**

Prior to the first action on the merits, please amend the above-identified application as follows:

In the Specification

1. Please delete paragraph [1002] beginning on page 1, line 9, and substitute therefor the following paragraph:

*a*  
[1002] In addition, this application is related to U.S. Patent Application No. 09/855,453, entitled "DYNAMIC ADAPTIVE TENURING OF OBJECTS," naming Agesen, Garthwaite and Harris as inventors and filed on even date herewith, the entirety of which is hereby incorporated by reference.

2. Please delete paragraph [1016] beginning on page 5, line 4, and substitute therefor the following paragraph:

*a<sup>2</sup>*  
[1016] In some realizations of the present invention, an allocator creates instances of data objects in response to requests from an application program or mutator. A subset of these objects are tracked by an object sampler. For an object selected to be tracked, a weak reference to the object is established to facilitate collection of information associated with the data object. Such information may identify the allocation time of the object, the application program requesting the object, the allocation call site, the type of the data object structure, etc.